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TECHSPEC® 25mm Dia x 12.5mm FL 3-5µm AR Coated, Si Aspheric Lens



Stock **#89-362** **5 In Stock**

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- 1 + MRP ₹89,792

Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹89,792 each
Qty 6+	₹71,632 each
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General

Aspheric Lens **Type:**

Physical & Mechanical Properties

25.00 +0.00/-0.10 **Diameter (mm):**

≤10 **Centering (arcmin):**

<21.8	Centering, ETD (μm):
22.5	Clear Aperture CA (mm):
2.37	Edge Thickness ET (mm):
4.75 ±0.10	Center Thickness CT (mm):
Protective as needed	Bevel:
Diamond Turned	Edges:
Concave	Shape of Back Surface:

Optical Properties

12.50 @4000nm	Effective Focal Length EFL (mm):
1.00	Numerical Aperture NA:
10.70	Back Focal Length BFL (mm):
Silicon (Si)	Substrate: □
4000	Aspheric Design Wavelength (nm):
M6	Asphere Figure Error, RMS @ 632.8nm:
BBAR (3000-5000nm)	Coating:
R _{avg} <3% @ 3 - 5μm	Coating Specification:
<0.3	Surface Accuracy, P-V (μm):
60-40	Surface Quality:
0.5	f/#:
3.422 @ 5μm	Index of Refraction (n_d):
87.361	Radius R₂ (mm):
3000 - 5000	Wavelength Range (nm):
Infinite	Conjugate Distance:
4000	Focal Length Specification Wavelength (nm):

Material Properties

2.55	Coefficient of Thermal Expansion CTE (10⁻⁶/°C):
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Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	REACH 241:
United States	Country of Origin:
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	Imported By:

Product Details

- Diffraction-Limited Performance
- Low Density and Dispersion

- Ideal for Weight Sensitive IR Applications
- Available with BBAR (1650-3000nm) or Mid-Wave Infrared (3000-5000nm) AR Coatings

TECHSPEC® Silicon Aspheric Lenses are high performance, lightweight solutions for BBAR and Mid-Wave Infrared (MMR) applications and are ideal alternatives for costly ZnSe lenses and brittle Germanium lenses. These lenses are available with efficient broadband AR coatings for the BBAR (1650-3000nm) or MMR (3000-5000nm) spectral regions. TECHSPEC Silicon Aspheric Lenses feature the mechanical and thermal properties required to withstand many of the effects of harsh environments including fluctuations in temperature and pressure. Because silicon is a low density material, these lenses are also ideal for weight-sensitive systems, such as those found in many defense applications.

Compatible Mounts

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